

# Divyanshu Khare

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## Education:

### Arizona State University

2014-2018

#### Bachelor's in Electrical and Electronics Engineering

- Member of IEEE
- Former Student Mentor for [ECEE@ASU](#)

## Work Experience:

### [TouchBase/Gols inc](#) - iOS Developer Seattle, WA

May 2018-Present



#### Scoring Application: [ARCL](#)

- Primary developer working on a game scoring application for the [American Recreational Cricket League](#).
- Exposure to complete SDLC including System Requirements, Architecture, Design, Coding, Development and Incremental testing.
- Restructured application to follow MVC design pattern.
- Integrated Rest API calls and mapped internal data structure of application to interface with the backend and interact with server data.
- Data-oriented skills with knowledge of Core data, persistent storage using plists and encoding/decoding for active games.
- Knowledge of CocoaPods, and third-party frameworks like Realm.
- Created UI components and a pdf scoreboard using auto layout with Constraints, XIBs, Interface Builder and Storyboard tools following UX design schematics.

#### Communications Application: [T-Mobile](#)

- Built reusable UI components in React-Native for a prototype communications application.
- Collaborated with the international team to implement skeleton structure for multilingual support using i18n Library.
- Successfully integrated user permissions for iOS and Android.
- Created search logic for contacts with realtime highlight capability.
- Basic knowledge of state management using Redux.
- Performed code reviews, sprint planning and participated in scrum meetings

### [Sopra Steria](#) - IOT Intern Delhi, India

July 2017 - Aug 2017

- Configured an Intel Edison using Node.js to record data and push to cloud Node-Red application.
- Designed digital gauges & monitors on Node-Red's interface using javascript and CSS.
- Utilized a Raspberry Pi wifi module to enable connectivity and data transmission between Edison and node-red

### [EmitLab@ASU](#) - Research Aide Tempe, Arizona

Sep 2016 - May 2017

- Implemented registration for EmitLab's Data Analyzing Website.
- Created user-flow for first-time signup email verification.
- Added Facebook/Gmail Login to access data queries using respective Login APIs.
- Created custom bootstrap components for associating projects to specific publications.

## Quick Fact:

I am eager to get nerdy about memory management, component layout, DOM rendering and I am certainly the guy who lives on attention to detail.

## Skills:

- **Language:** Python, JavaScript, Swift, HTML, CSS/Bootstrap, Typescript, Matlab, JSX, Node.JS
- **Frameworks:** JQuery, Redux, React-Native, ES6, Express.JS, React.JS
- **Environments:** XCode, VS Code, Anaconda IDE, Cadence, Atom.
- **Visual Platforms:** Zeplin.
- **Collaborative & Version Control:** GitHub, Gitsrc, Bitbucket, Jira, Hyper.

## Projects

### [Research Volunteer under Dr. John Brunhaver](#) :

- Generated script to predict heart disease in millennials using the Cleveland dataset
- Contributed to research involving DASH ontology and development design of SOC using machine learning (explored the possibility of using fixed point arithmetic for hardware modeling within python)

### [Procedural Generation of Complex Adders:](#)

- Built logic gates using primitive transistors in System Verilog.
- Conducted H-Spice simulations and generated verification modules with a python top module.
- The goal was to determine proper fanout and number of stages being used when driving a large external capacitor.

### [Sentiment Analysis:](#)

- Successfully created a python script that aimed to analyze specific sentiments using multiple machine learning algorithms.
- The highest accuracy algorithm was used to predict user input.

\*underlined are hyperlinks



<https://www.linkedin.com/in/divkhare/>



<https://github.com/divkhare>



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